

AMENDMENTS TO THE CLAIMS

1. (Currently amended) A method of producing a production run schedule of bakery products, the method including the steps of:

determining bakery products to be produced including a dough type, a weight of dough of each said bakery product and a number of said bakery products to be produced;

~~organising~~ organizing each bakery product into a group according to the dough type;

calculating a total weight of dough of each bakery product to be produced;

calculating a number of full batches that can be produced of each bakery product; calculating a weight of dough for each bakery product that cannot be produced in a batch comprising a whole number of bags of flour; and

combining the respective weights of dough for bakery products of the same dough type that cannot be produced in a batch comprising a whole number of bags of flour into such a batch.

2. (Original) A method according to claim 1, wherein the combined batches are full batches.

3. (Currently amended) A method according to claim 1 ~~or 2~~, wherein the schedule is amendable to ensure each batch in the schedule includes a whole number of bags of flour.

4. (Original) A method according to claim 3, wherein the number of bakery products is amendable to obtain full batches in the schedule.

5. (Original) A method according to claim 2, wherein the sequence of batches in the schedule is amendable.

6. (Currently amended) A method according to ~~any one of the preceding claims~~ claim 1, wherein the bakery products of the same dough type are arranged in consecutive batches.

LAW OFFICES OF
CHRISTENSEN O'CONNOR JOHNSON KINDNESS^{LLC}
1420 Fifth Avenue
Suite 2800
Seattle, Washington 98101
206.682.8100

7. (Currently amended) A method according to ~~any one of the preceding claims~~ claim 1, wherein the number of bakery products is multiplied by a weight of dough required to form a single bakery product, thereby to calculate the total weight of dough for the bakery product.

8. (Original) A method according to claim 7, wherein the method further includes displaying the batches, via a computer to permit subsequent amendment.

9. (Original) A method according to claim 8, wherein the step of displaying the batches involves displaying the batches graphically.

10. (Original) A method according to claim 9, wherein the graphical display of batches includes graphical identification of bakery products forming the displayed batch.

11. (Currently amended) A method according to ~~any one of the preceding claims~~ claim 1, wherein the method includes the further step of providing a schematic layout of dough pieces on baking trays or in containers, prior to proving or baking.

12. (Currently amended) A computer program for scheduling a production run of determined bakery products in predetermined quantities, the program being capable of performing the steps of:

~~organising~~ organizing each bakery product into a group according to the dough type;
calculating a total weight of dough of each bakery product to be produced;
calculating a number of full batches that can be produced of each bakery product;
calculating a weight of dough for each bakery product that cannot be produced in a batch comprising a whole number of bags of flour; and

combining the respective weights of dough for bakery products of the same dough type that cannot be produced in a batch comprising a whole number of bags of flour into such a batch.

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13. (Original) A computer program according to claim 12, wherein the combined batches are full batches.

14. (Currently amended) A computer program according to claim 12 ~~or 13~~, wherein the program performs the further step of displaying the batches to permit subsequent amendments of the schedule.

15. (Original) A computer program according to claim 14, wherein the batches are displayed graphically.

16. (Original) A computer program according to claim 15, wherein the graphical display of batches includes graphical identification of bakery products forming the displayed batch.

17. (Original) A computer program according to claim 16, wherein the program provides a schematic layout of dough pieces on baking trays or in containers, prior to proving or baking.

18. (Currently amended) A baking system including:
a computer with memory; and
a computer program according to ~~any of claims 11 to 16~~ claim 11.

19. (Original) A baking system according to claim 18, wherein the system includes baking machinery linked to the computer for control thereby.

20. (Original) A baking system according to claim 19, wherein the baking machinery provide feedback to the program, the feed back comprising any one or more of the following:

- a) ingredients mixing and loading times expressed as a machine efficiency;
- b) individual batch mixing times;
- c) total mixing time;
- d) total lead time;

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- e) total time to produce a production run;
- f) failed production; and
- g) amendments made to the production run.

21. (Currently amended) A computer program for scheduling a production run of determined bakery products in predetermined quantities, the computer program being in a computer readable form and being capable of performing the steps of:

~~organising~~ organizing each bakery product into a group according to the dough type;
calculating a total weight of dough of each bakery product to be produced;
calculating a number of full batches that can be produced of each bakery product;
calculating a weight of dough for each bakery product that cannot be produced in a batch comprising a whole number of bags of flour; and

combining the respective weights of dough for bakery products of the same dough type that cannot be produced in a batch comprising a whole number of bags of flour into such a batch.

22. (Original) A computer program according to claim 21, wherein the combined batches are full.

23. (Currently amended) A computer program according to claim 21-~~or~~ 22, wherein the program performs the further step of displaying the batches to permit subsequent amendments of the schedule.

24. (Original) A computer program according to claim 23, wherein the batches are displayed graphically.

25. (Original) A computer program according to claim 24, wherein the graphical display of batches includes graphical identification of bakery products forming the displayed batch.

26. (Original) A computer program according to claim 25, wherein the program provides a schematic layout of dough pieces on baking trays or in containers, prior to proving or baking.

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